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EUROPEAN PATENT APPLICATION

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(54) Inertia torque compensation control for a vehicle fitted with an infinitely variable transmission

(57) An IVT controller (14) determines whether the operation mode of an infinitely variable transmission (IVT) 10 is a power recirculation mode or a CVT direct mode, and selects an inertia torque computing equation corresponding to the operation mode. The inertia torque

accompanying a speed change of the IVT 10 is computed using the computing equation. An engine controller (15) adjusts the opening of an electronic control throttle (18), and adjusts the torque of the engine (1) so that the computed inertia torque is eliminated.

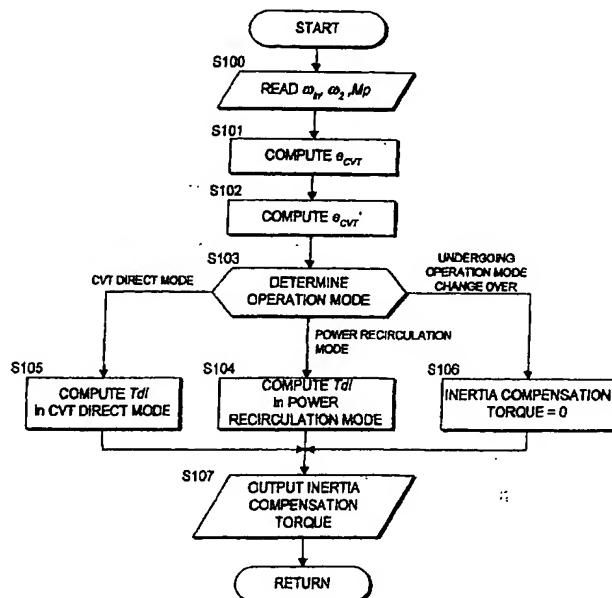


FIG. 4



EUROPEAN SEARCH REPORT

Application Number
EP 01 11 8359

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)										
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim											
A	US 4 297 918 A (PERRY FORBES G DEB) 3 November 1981 (1981-11-03) * abstract; figure 1 *	1	B60K41/14 F16H37/08										
A	US 6 027 425 A (YAMAMOTO KAZUHISA ET AL) 22 February 2000 (2000-02-22) * abstract; figures 1-3 *	1											
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)										
			B60K F16H										
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>BERLIN</td> <td>4 March 2002</td> <td>Kyriakides, L</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	BERLIN	4 March 2002	Kyriakides, L				
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BERLIN	4 March 2002	Kyriakides, L											
<p>CATEGORY OF CITED DOCUMENTS</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">X : particularly relevant if taken alone</td> <td style="width: 33%;">T : theory or principle underlying the invention</td> </tr> <tr> <td>Y : particularly relevant if combined with another document of the same category</td> <td>E : earlier patent document, but published on, or after the filing date</td> </tr> <tr> <td>A : technological background</td> <td>D : document cited in the application</td> </tr> <tr> <td>O : non-written disclosure</td> <td>L : document cited for other reasons</td> </tr> <tr> <td>P : intermediate document</td> <td>& : member of the same patent family, corresponding document</td> </tr> </table>				X : particularly relevant if taken alone	T : theory or principle underlying the invention	Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date	A : technological background	D : document cited in the application	O : non-written disclosure	L : document cited for other reasons	P : intermediate document	& : member of the same patent family, corresponding document
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ON EUROPEAN PATENT APPLICATION NO.

EP 01 11 8359

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04-03-2002

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